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SEP 24 2002

TECH CENTER 1600/2900



1600

## RAW SEQUENCE LISTING

DATE: 09/18/2002

PATENT APPLICATION: US/09/822,965

TIME: 11:03:45

Input Set : A:\22000-20597.10.txt

Output Set: N:\CRF4\09182002\I822965.raw

ENTERED

4 <110> APPLICANT: Innerarity, Thomas  
5 Boren, Jan  
7 <120> TITLE OF INVENTION: METHODS AND TOOLS FOR IDENTIFYING  
8 COMPOUNDS WHICH MODULATE ATHEROSCLEROSIS BY IMPACTING  
9 LDL-PROTEOGLYCAN BINDING  
11 <130> FILE REFERENCE: 220002059710  
13 <140> CURRENT APPLICATION NUMBER: US 09/822,965  
14 <141> CURRENT FILING DATE: 2001-03-29  
16 <150> PRIOR APPLICATION NUMBER: US 09/265,222  
17 <151> PRIOR FILING DATE: 1999-03-05  
19 <150> PRIOR APPLICATION NUMBER: US 60/077,618  
20 <151> PRIOR FILING DATE: 1998-03-10  
22 <160> NUMBER OF SEQ ID NOS: 25  
24 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
26 <210> SEQ ID NO: 1  
27 <211> LENGTH: 10  
28 <212> TYPE: PRT  
29 <213> ORGANISM: Homo sapiens  
31 <220> FEATURE:  
32 <221> NAME/KEY: MUTAGEN  
33 <222> LOCATION: 6  
34 <223> OTHER INFORMATION: Missense mutation  
36 <400> SEQUENCE: 1  
37 Thr Arg Leu Thr Arg Glu Arg Gly Leu Lys  
38 1 5 10  
41 <210> SEQ ID NO: 2  
42 <211> LENGTH: 10  
43 <212> TYPE: PRT  
44 <213> ORGANISM: Homo sapiens  
46 <220> FEATURE:  
47 <221> NAME/KEY: MUTAGEN  
48 <222> LOCATION: 6  
49 <223> OTHER INFORMATION: Missense mutation  
51 <400> SEQUENCE: 2  
52 Thr Arg Leu Thr Arg Asp Arg Gly Leu Lys  
53 1 5 10  
56 <210> SEQ ID NO: 3  
57 <211> LENGTH: 10  
58 <212> TYPE: PRT  
59 <213> ORGANISM: Homo sapiens  
61 <220> FEATURE:  
62 <221> NAME/KEY: MUTAGEN  
63 <222> LOCATION: 6

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64 <223> OTHER INFORMATION: Missense mutation  
66 <400> SEQUENCE: 3  
67 Thr Arg Leu Thr Arg Ala Arg Gly Leu Lys  
68 1 5 10  
71 <210> SEQ ID NO: 4  
72 <211> LENGTH: 10  
73 <212> TYPE: PRT  
74 <213> ORGANISM: Homo sapiens  
76 <220> FEATURE:  
77 <221> NAME/KEY: MUTAGEN  
78 <222> LOCATION: 6  
79 <223> OTHER INFORMATION: Missense mutation  
81 <400> SEQUENCE: 4  
82 Thr Arg Leu Thr Arg Thr Arg Gly Leu Lys  
83 1 5 10  
86 <210> SEQ ID NO: 5  
87 <211> LENGTH: 10  
88 <212> TYPE: PRT  
89 <213> ORGANISM: Homo sapiens  
91 <220> FEATURE:  
92 <221> NAME/KEY: MUTAGEN  
93 <222> LOCATION: 6  
94 <223> OTHER INFORMATION: Missense mutation  
96 <400> SEQUENCE: 5  
97 Thr Arg Leu Thr Arg Ser Arg Gly Leu Lys  
98 1 5 10  
101 <210> SEQ ID NO: 6  
102 <211> LENGTH: 10  
103 <212> TYPE: PRT  
104 <213> ORGANISM: Homo sapiens  
106 <220> FEATURE:  
107 <221> NAME/KEY: MUTAGEN  
108 <222> LOCATION: 6  
109 <223> OTHER INFORMATION: Missense mutation  
111 <400> SEQUENCE: 6  
112 Thr Arg Leu Thr Arg Gln Arg Gly Leu Lys  
113 1 5 10  
116 <210> SEQ ID NO: 7  
117 <211> LENGTH: 10  
118 <212> TYPE: PRT  
119 <213> ORGANISM: Homo sapiens  
121 <220> FEATURE:  
122 <221> NAME/KEY: MUTAGEN  
123 <222> LOCATION: 5  
124 <223> OTHER INFORMATION: Missense mutation  
126 <400> SEQUENCE: 7  
127 Thr Arg Leu Thr Glu Lys Arg Gly Leu Lys  
128 1 5 10  
131 <210> SEQ ID NO: 8

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132 <211> LENGTH: 10  
133 <212> TYPE: PRT  
134 <213> ORGANISM: Homo sapiens  
136 <220> FEATURE:  
137 <221> NAME/KEY: MUTAGEN  
138 <222> LOCATION: 5  
139 <223> OTHER INFORMATION: Missense mutation  
141 <400> SEQUENCE: 8  
142 Thr Arg Leu Thr Asp Lys Arg Gly Leu Lys  
143 1 5 10  
146 <210> SEQ ID NO: 9  
147 <211> LENGTH: 10  
148 <212> TYPE: PRT  
149 <213> ORGANISM: Homo sapiens  
151 <220> FEATURE:  
152 <221> NAME/KEY: MUTAGEN  
153 <222> LOCATION: 7  
154 <223> OTHER INFORMATION: Missense mutation  
156 <400> SEQUENCE: 9  
157 Thr Arg Leu Thr Arg Lys Glu Gly Leu Lys  
158 1 5 10  
161 <210> SEQ ID NO: 10  
162 <211> LENGTH: 10  
163 <212> TYPE: PRT  
164 <213> ORGANISM: Homo sapiens  
166 <220> FEATURE:  
167 <221> NAME/KEY: MUTAGEN  
168 <222> LOCATION: 7  
169 <223> OTHER INFORMATION: Missense mutation  
171 <400> SEQUENCE: 10  
172 Thr Arg Leu Thr Arg Lys Asp Gly Leu Lys  
173 1 5 10  
176 <210> SEQ ID NO: 11  
177 <211> LENGTH: 10  
178 <212> TYPE: PRT  
179 <213> ORGANISM: Homo sapiens  
181 <220> FEATURE:  
182 <221> NAME/KEY: MUTAGEN  
183 <222> LOCATION: 2  
184 <223> OTHER INFORMATION: Missense mutation  
186 <400> SEQUENCE: 11  
187 Thr Glu Leu Thr Arg Lys Arg Gly Leu Lys  
188 1 5 10  
191 <210> SEQ ID NO: 12  
192 <211> LENGTH: 10  
193 <212> TYPE: PRT  
194 <213> ORGANISM: Homo sapiens  
196 <220> FEATURE:  
197 <221> NAME/KEY: MUTAGEN

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198 <222> LOCATION: 2  
199 <223> OTHER INFORMATION: Missense mutation  
201 <400> SEQUENCE: 12  
202 Thr Asp Leu Thr Arg Lys Arg Gly Leu Lys  
203 1 5 10  
206 <210> SEQ ID NO: 13  
207 <211> LENGTH: 9  
208 <212> TYPE: PRT  
209 <213> ORGANISM: Homo sapiens  
211 <220> FEATURE:  
212 <221> NAME/KEY: MUTAGEN  
213 <222> LOCATION: (5)...(6)  
214 <223> OTHER INFORMATION: Single amino acid deletion between residues 5 and  
215 6  
217 <400> SEQUENCE: 13  
218 Thr Arg Leu Thr Arg Arg Gly Leu Lys  
219 1 5  
222 <210> SEQ ID NO: 14  
223 <211> LENGTH: 9  
224 <212> TYPE: PRT  
225 <213> ORGANISM: Homo sapiens  
227 <220> FEATURE:  
228 <221> NAME/KEY: MUTAGEN  
229 <222> LOCATION: (4)...(5)  
230 <223> OTHER INFORMATION: Single amino acid deletion between residues 4 and  
231 5  
233 <400> SEQUENCE: 14  
234 Thr Arg Leu Thr Lys Arg Gly Leu Lys  
235 1 5  
238 <210> SEQ ID NO: 15  
239 <211> LENGTH: 9  
240 <212> TYPE: PRT  
241 <213> ORGANISM: Homo sapiens  
243 <220> FEATURE:  
244 <221> NAME/KEY: MUTAGEN  
245 <222> LOCATION: (6)...(7)  
246 <223> OTHER INFORMATION: Single amino acid deletion between residues 6 and  
247 7  
249 <400> SEQUENCE: 15  
250 Thr Arg Leu Thr Arg Lys Gly Leu Lys  
251 1 5  
254 <210> SEQ ID NO: 16  
255 <211> LENGTH: 11  
256 <212> TYPE: PRT  
257 <213> ORGANISM: Homo sapiens  
259 <220> FEATURE:  
260 <221> NAME/KEY: MUTAGEN  
261 <222> LOCATION: 6  
262 <223> OTHER INFORMATION: Insertion of a single amino acid

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264 <400> SEQUENCE: 16  
265 Thr Arg Leu Thr Arg Glu Lys Arg Gly Leu Lys  
266 1 5 10  
269 <210> SEQ ID NO: 17  
270 <211> LENGTH: 11  
271 <212> TYPE: PRT  
272 <213> ORGANISM: Homo sapiens  
274 <220> FEATURE:  
275 <221> NAME/KEY: MUTAGEN  
276 <222> LOCATION: 7  
277 <223> OTHER INFORMATION: Insertion of a single amino acid  
279 <400> SEQUENCE: 17  
280 Thr Arg Leu Thr Arg Lys Glu Arg Gly Leu Lys  
281 1 5 10  
284 <210> SEQ ID NO: 18  
285 <211> LENGTH: 11  
286 <212> TYPE: PRT  
287 <213> ORGANISM: Homo sapiens  
289 <220> FEATURE:  
290 <221> NAME/KEY: MUTAGEN  
291 <222> LOCATION: 6  
292 <223> OTHER INFORMATION: Insertion of a single amino acid  
294 <400> SEQUENCE: 18  
295 Thr Arg Leu Thr Arg Asp Lys Arg Gly Leu Lys  
296 1 5 10  
299 <210> SEQ ID NO: 19  
300 <211> LENGTH: 11  
301 <212> TYPE: PRT  
302 <213> ORGANISM: Homo sapiens  
304 <220> FEATURE:  
305 <221> NAME/KEY: MUTAGEN  
306 <222> LOCATION: 7  
307 <223> OTHER INFORMATION: Insertion of a single amino acid  
309 <400> SEQUENCE: 19  
310 Thr Arg Leu Thr Arg Lys Asp Arg Gly Leu Lys  
311 1 5 10  
314 <210> SEQ ID NO: 20  
315 <211> LENGTH: 10  
316 <212> TYPE: PRT  
317 <213> ORGANISM: Homo sapiens  
319 <220> FEATURE:  
320 <221> NAME/KEY: BINDING  
321 <222> LOCATION: (1)...(10)  
322 <223> OTHER INFORMATION: Putative proteoglycan binding site of wild-type  
323 human apo-B100 protein  
325 <400> SEQUENCE: 20  
326 Thr Arg Leu Thr Arg Lys Arg Gly Leu Lys  
327 1 5 10  
330 <210> SEQ ID NO: 21

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/822,965

DATE: 09/18/2002

TIME: 11:03:46

Input Set : A:\22000-20597.10.txt

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L:346 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:21